

The Game Zone

A Place To Practice Your Math Skills



It's a Hit

● GET READY!

Players: two

Materials: large piece of paper, marker, grid paper

● GET SET!

- Use a marker to list the following functions on a piece of paper.

$y = -2x$	$y = x + 2$	$y = x - 2$
$y = -x + 2$	$y = 3 - x$	$y = 1 - 2x$
$y = 2x$	$y = -x - 1$	$y = x - 1$
$y = x + 1$	$y = 2x - 1$	$y = -x - 2$
$y = x - 3$	$y = 2x + 1$	$y = -x + 1$

- Each player makes two coordinate planes. Each plane should be on a 20-by-20 grid with the origin in the center.

● GO!

- Each player secretly picks one of the functions listed on the paper and graphs it on one of his or her coordinate planes.
- The first player names an ordered pair. The second player says *hit* if the ordered pair names a point on his or her line. If not, the player says *miss*.
- Then the second player names an ordered pair. It is either a *hit* or a *miss*. Players should use their second coordinate plane to keep track of their hits and misses. Players continue to take turns guessing.
- **Who Wins?** A player who correctly names the equation of the other player is the winner. However, if a player incorrectly names the equation, the other player is the winner.